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- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application: US 60/295,265 (CIP) Filed on 1 June 2001 (01.06.2001)
- (71) Applicant (*for all designated States except US*): ACAM-BIS, INC. [US/US]; 38 Sidney Street, Cambridge, MA 02139 (US).
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(54) Title: CHIMERIC FLAVIVIRUS VECTORS

(57) Abstract: The invention provides chimeric flavivirus vectors including foreign peptides inserted into the envelope proteins of the vectors and methods of using these vectors.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/17374

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 39/295, C12N 7/01

US CL : 424/202.1, 218.1; 435/ 456,173.1, 235.1, 236, 320.1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 424/202.1, 218.1; 435/ 456,173.1, 235.1, 236, 320.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,184,024 B1 (Lai et al) 06 February 2001 (06.06.2001), see Examples 1 and 2, Figure 1, and claims.	9- 18
Y	Chambers, T. et al., Yellow Fever/Japanese Encephalitis Chimeric Viruses: Construction and Biological Properties. 1999 Journal of Virology Vol. 73 (4), pages 3095-3101, see entire document.	9- 18
Y,P	Guirakhoo, F. et al., Construction, Safety, and Immunogenicity in Nonhuman Primates of a Chimeric Yellow Fever-Dengue Virus Tetraivalent Vaccine. 2001 Journal of Virology Vol. 75 (16) pages 7290-7304, see pages 7290, 7291, Figures 2 and 3.	9- 18
A	Hurrelbrink, R. et al., Attenuation of Murray Valley Encephalitis Virus by Site-Directed Mutagenesis of the Hinge and Putative Receptor-Binding Regions of the Envelope Protein. 2001 Journal of Virology Vol. 75: 7692-7702, see abstract, 7692, 7693, and 7698- 7701.	1-8
Y	Goryshin, I.Y. et al., Tn5 In Vitro Transposition. 1998 Journal of Biological Chemistry, Vol. 273 (13), pages 7367 - 7374, see entire document.	5

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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O document referring to an oral disclosure, use, exhibition or other means	
P document published prior to the international filing date but later than the priority date claimed	

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INTERNATIONAL SEARCH REPORT

PCT/US02/17374

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Mandl, C. et al., Attenuation of Tick-Borne Encephalitis Virus by Structure-Based Site-Specific Mutagenesis of a Putative Flavivirus Receptor Binding Site. 2000 Journal of Virology Vol. 74(20), pages 9601-9609.	1-8

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PCT/US02/17374

Continuation of B. FIELDS SEARCHED Item 3:
WEST- US PATS, PG PUBS, also EPO, JPO, and Derwent abstracts
STN- MEDLINE
flavivirus, chimera, envelope, insertion, transposon, yellow fever